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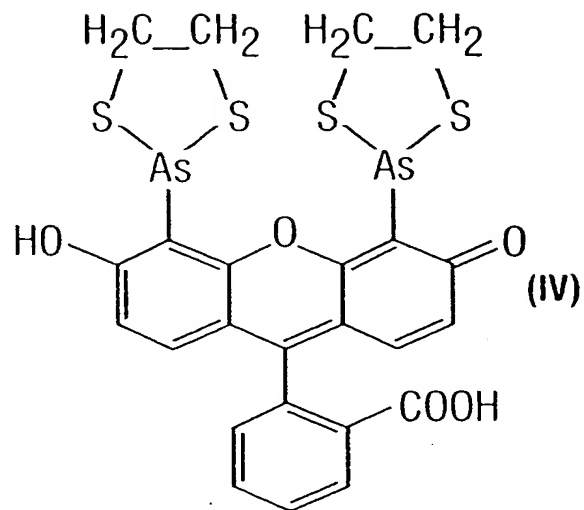
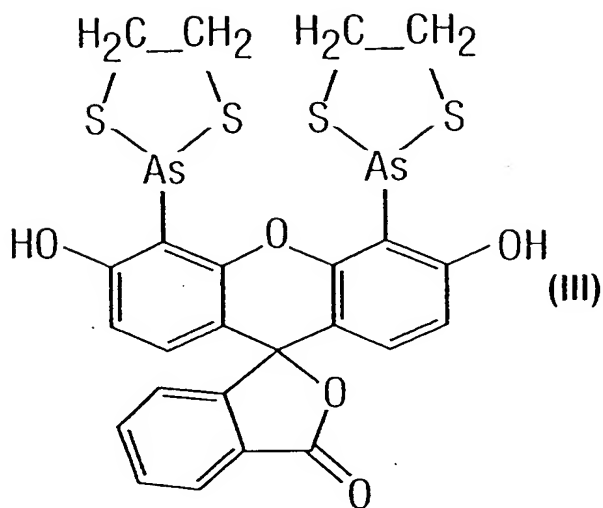
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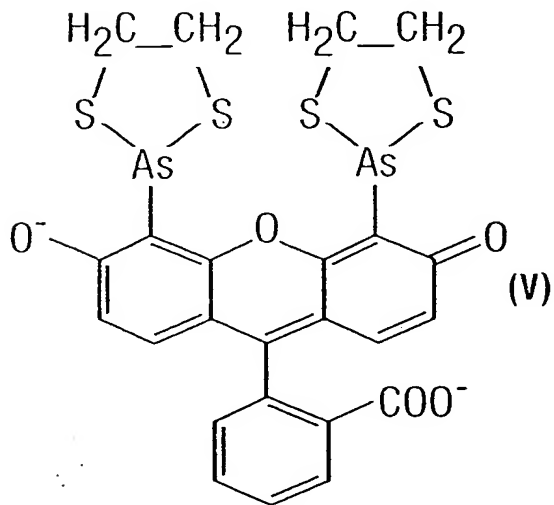
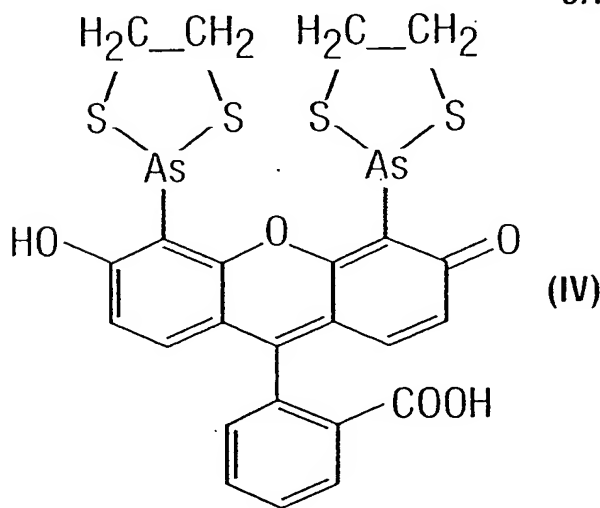
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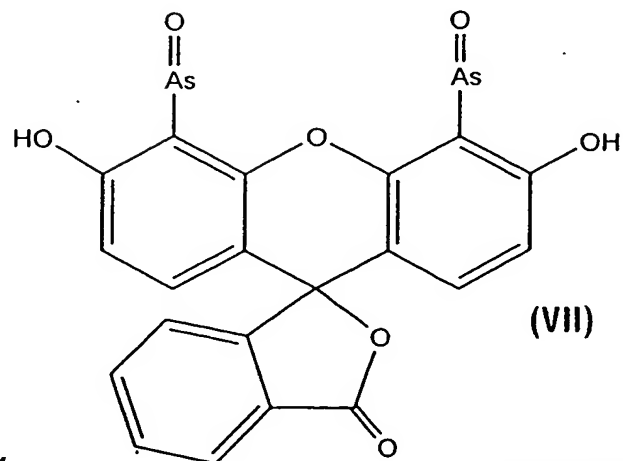
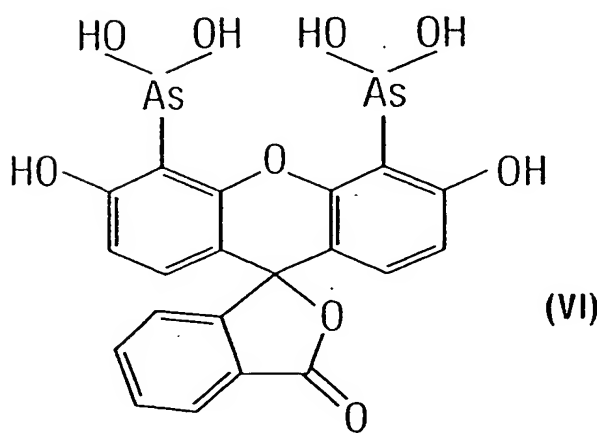


FIG. 1

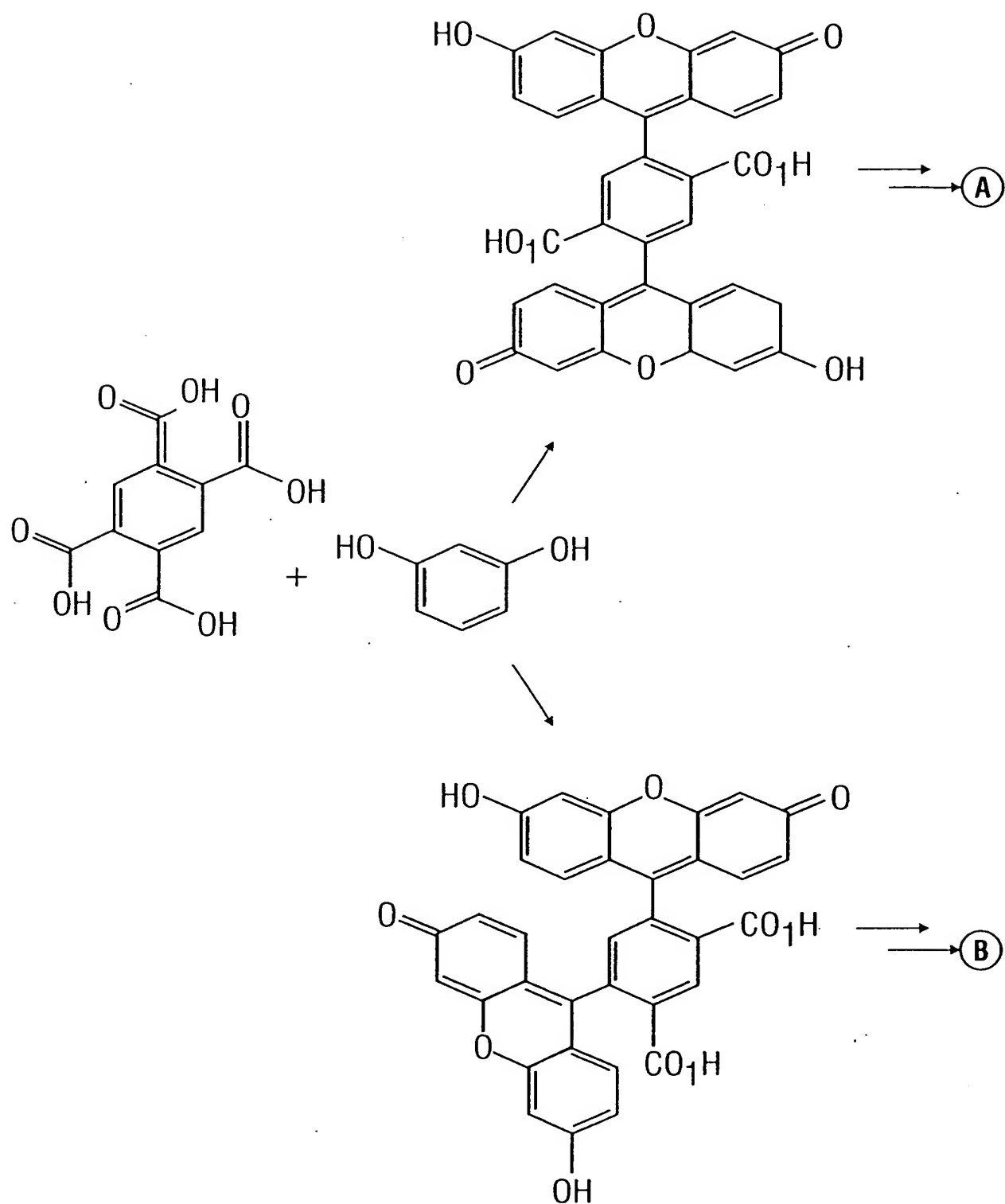
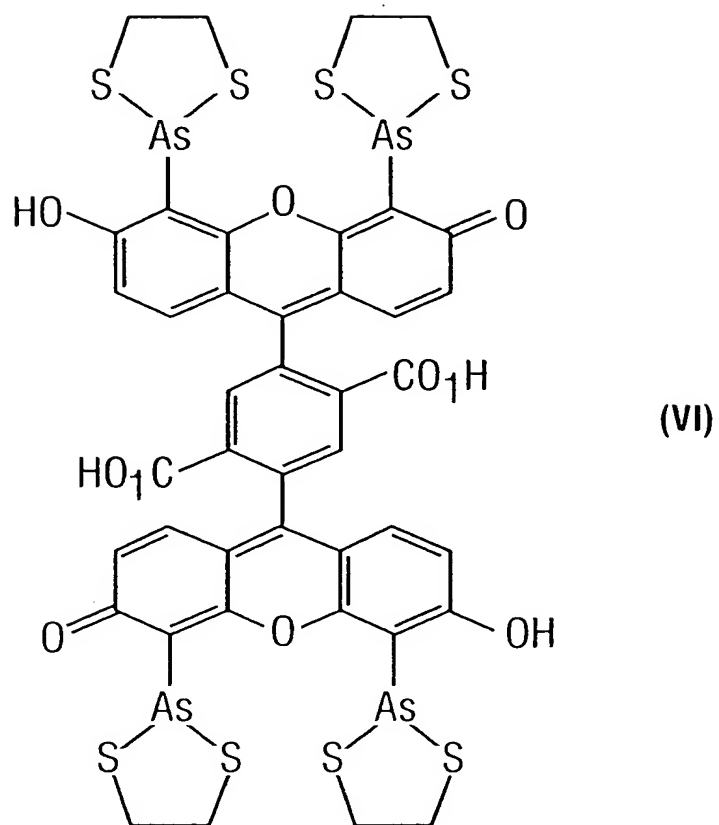


FIG. 2A

(A) →



(B) →

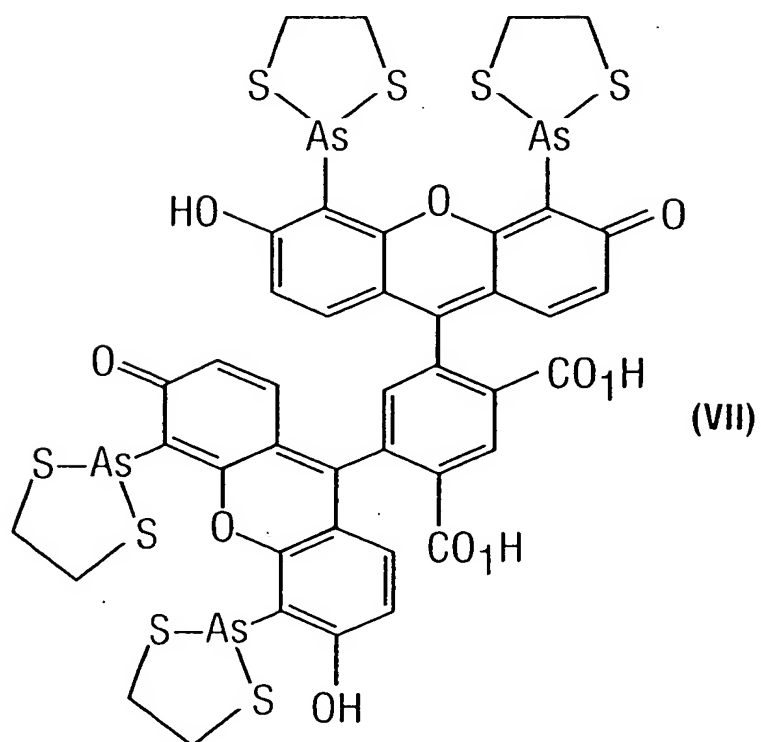


FIG. 2B

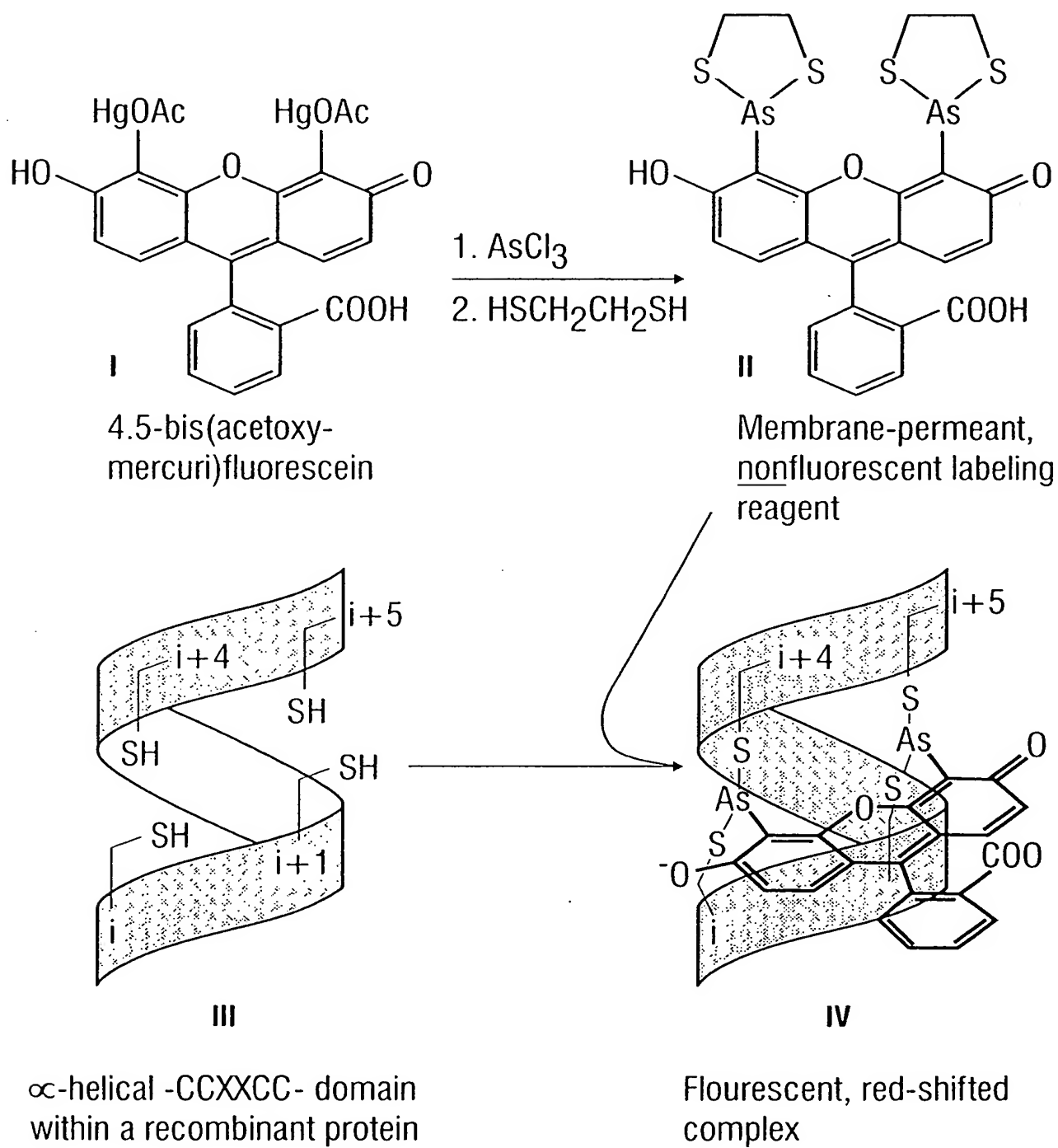


FIG. 3

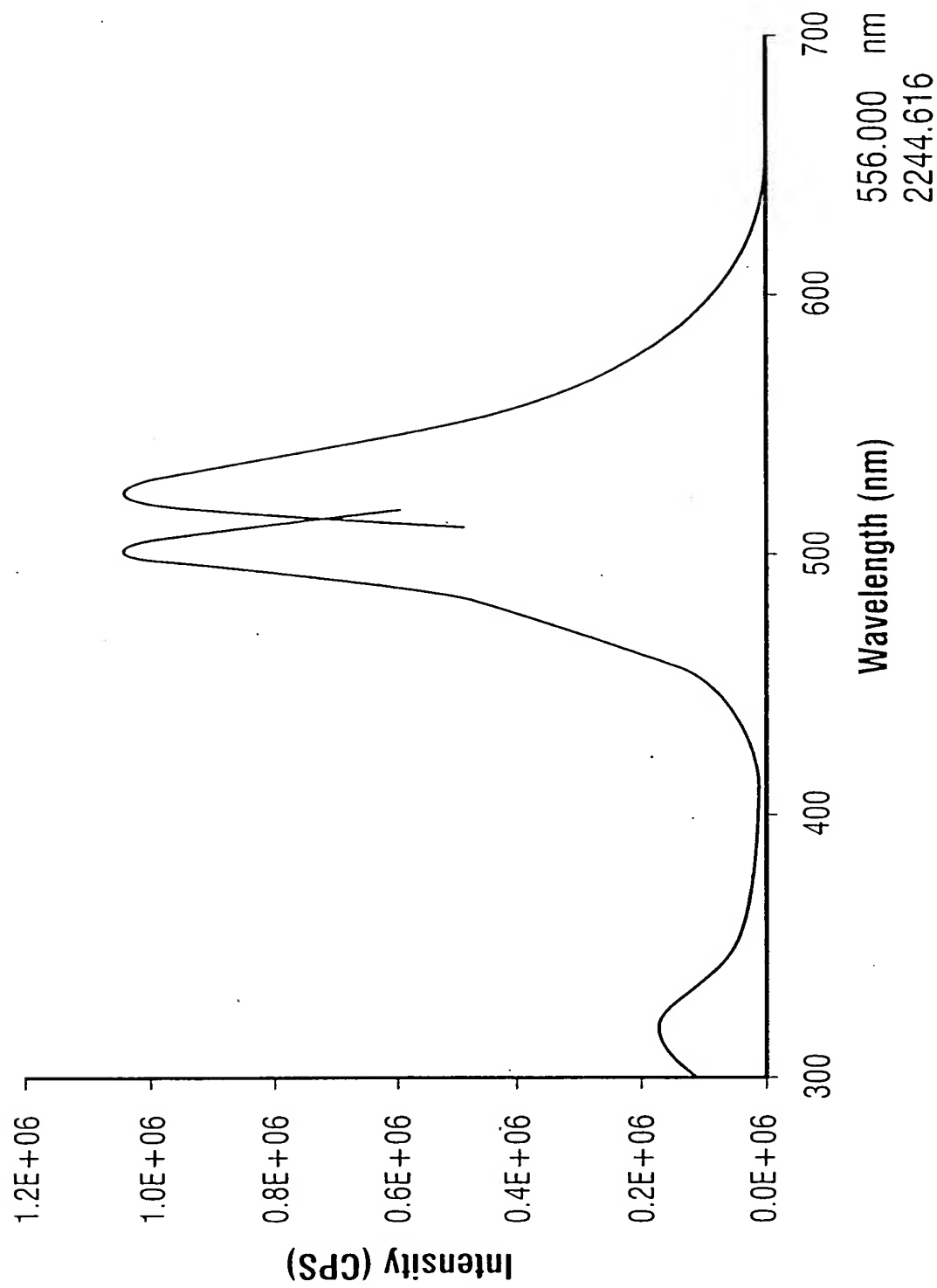


FIG. 4

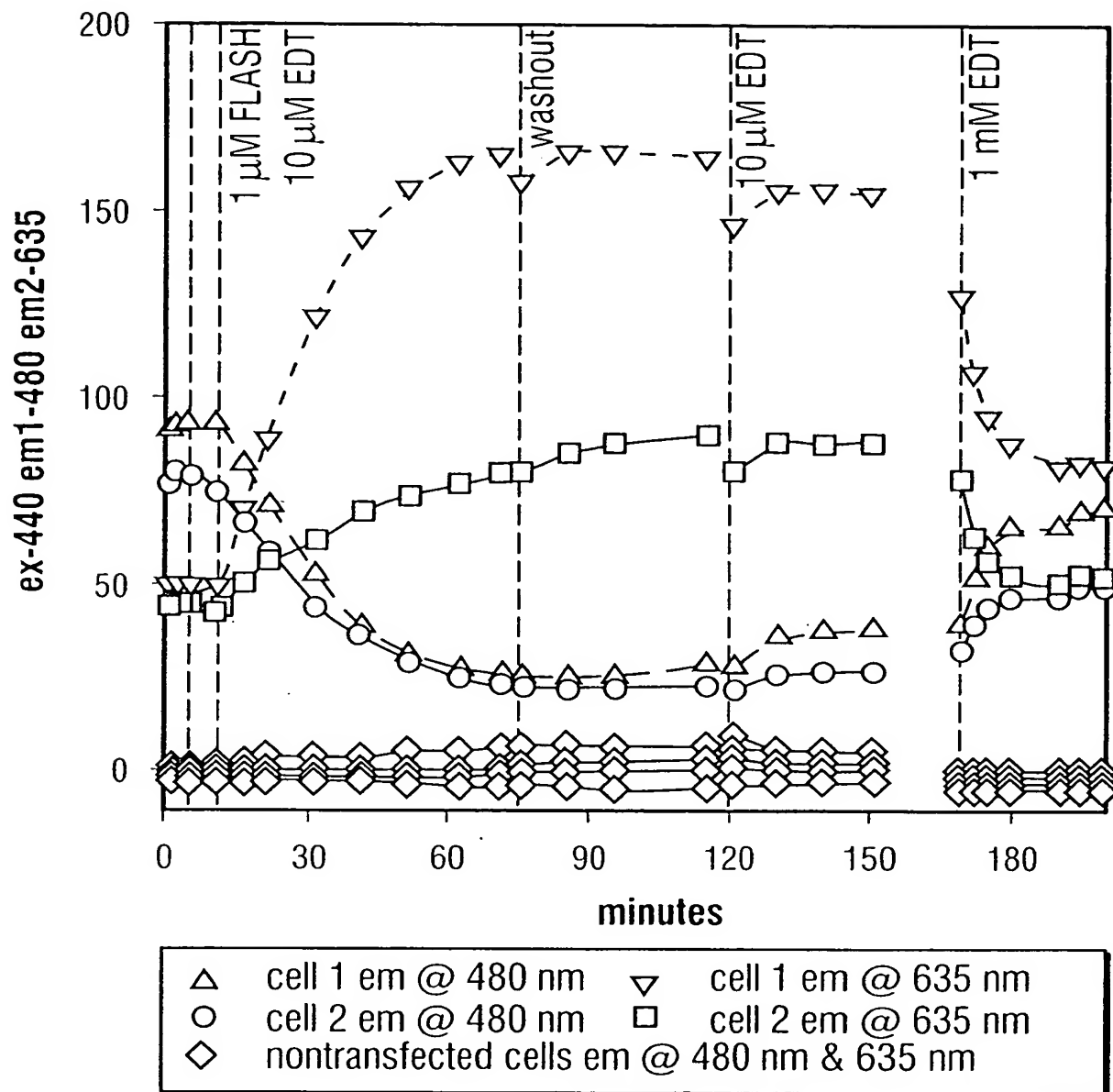


FIG. 5

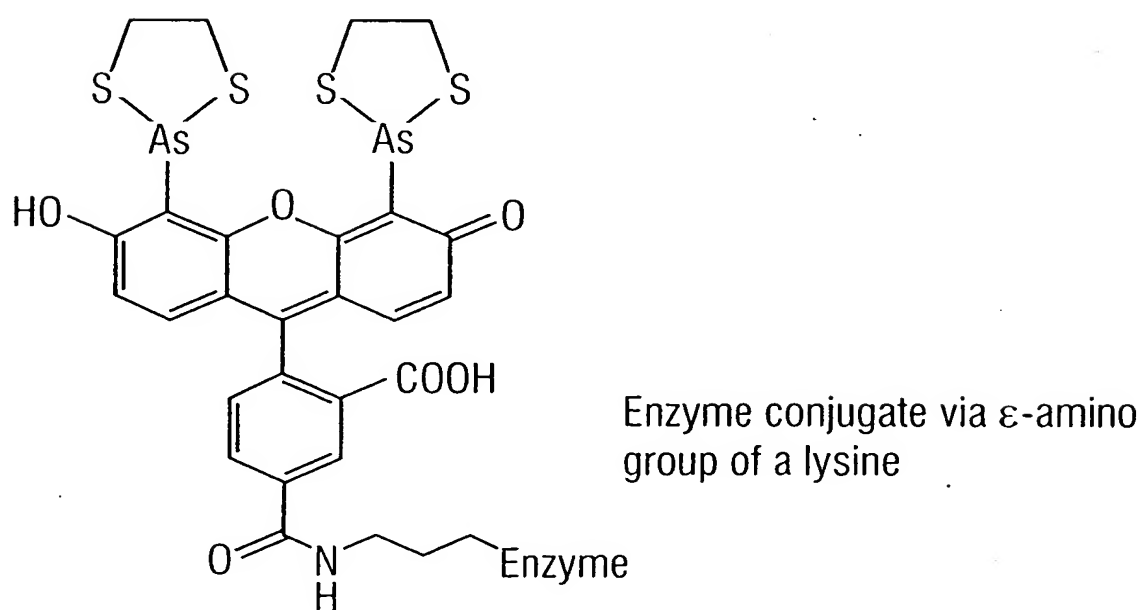
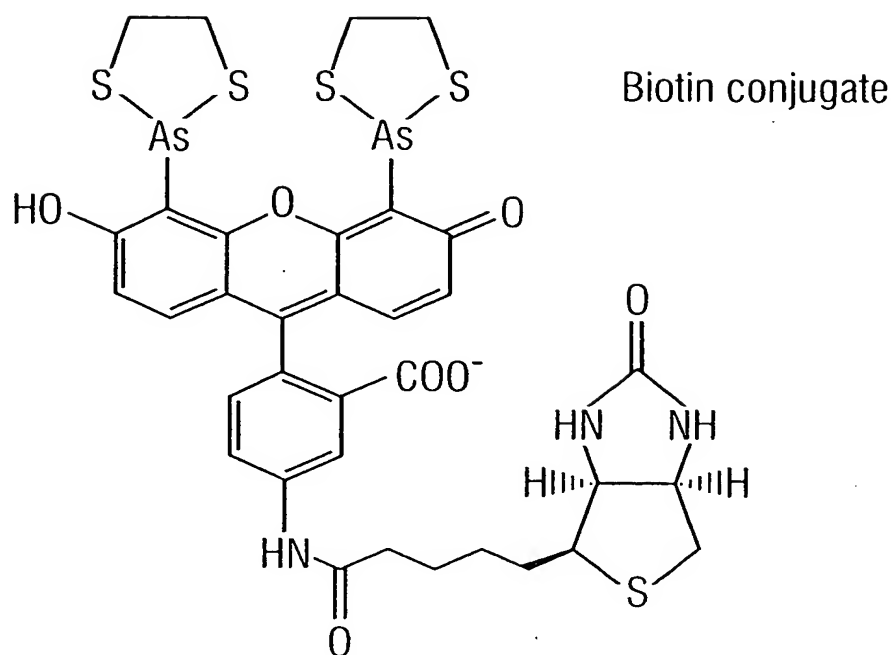
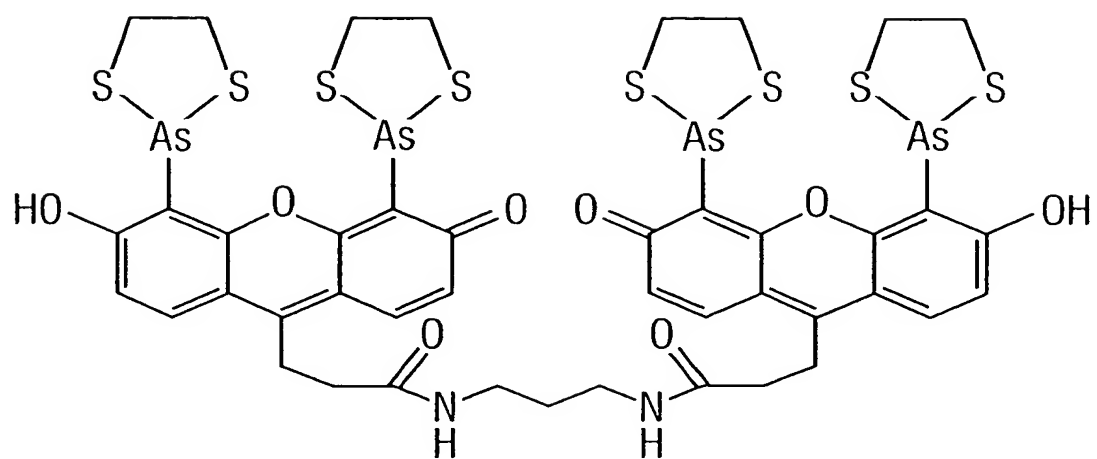
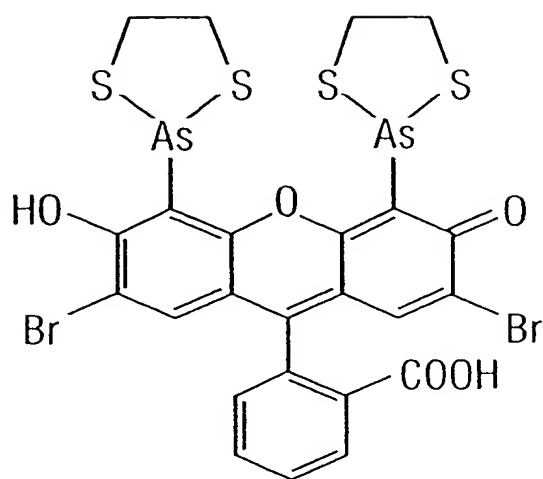


FIG. 6

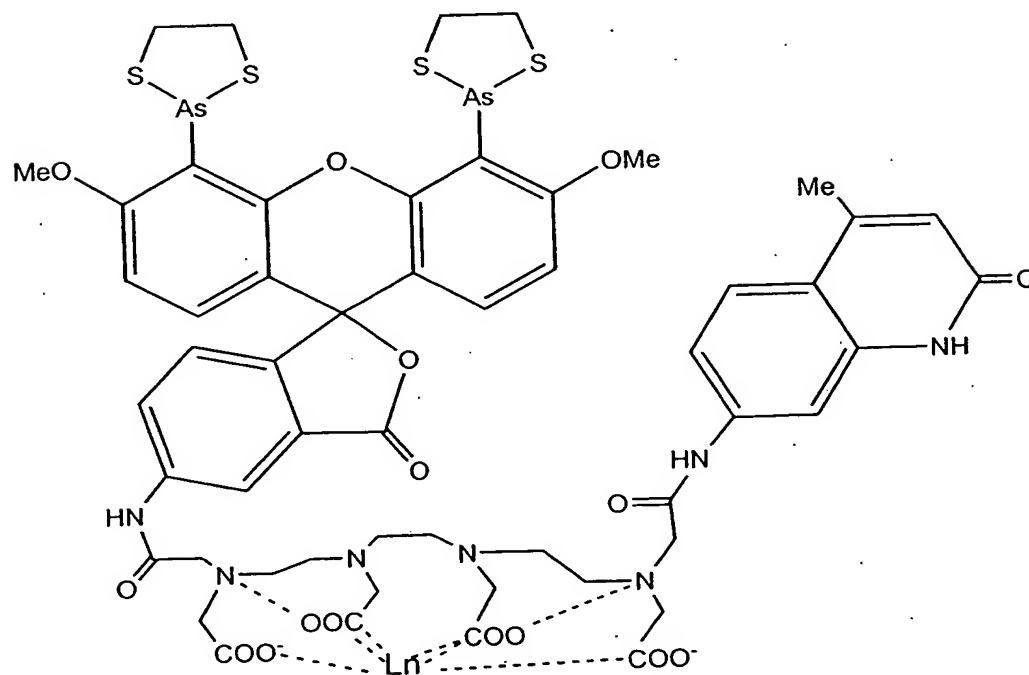


(VIII)

FIG. 7



phosphorescence (in absence of O_2)
singlet oxygen generation with O_2



$Ln = Tb, Eu$: luminescence

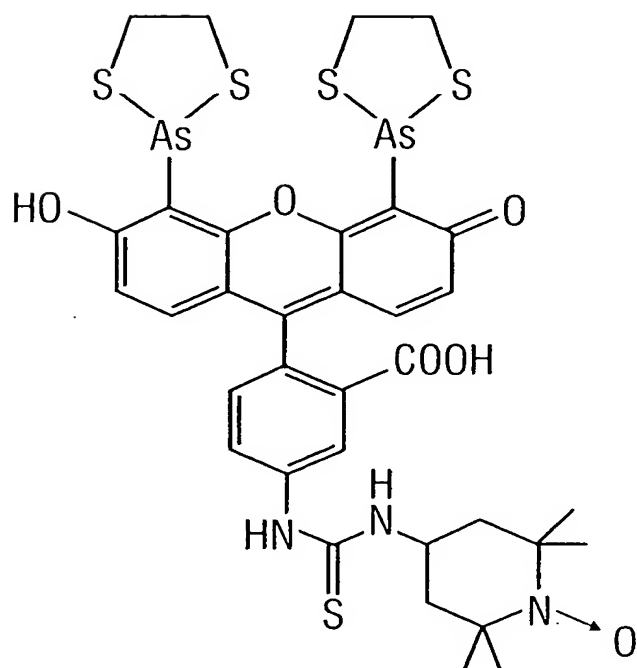
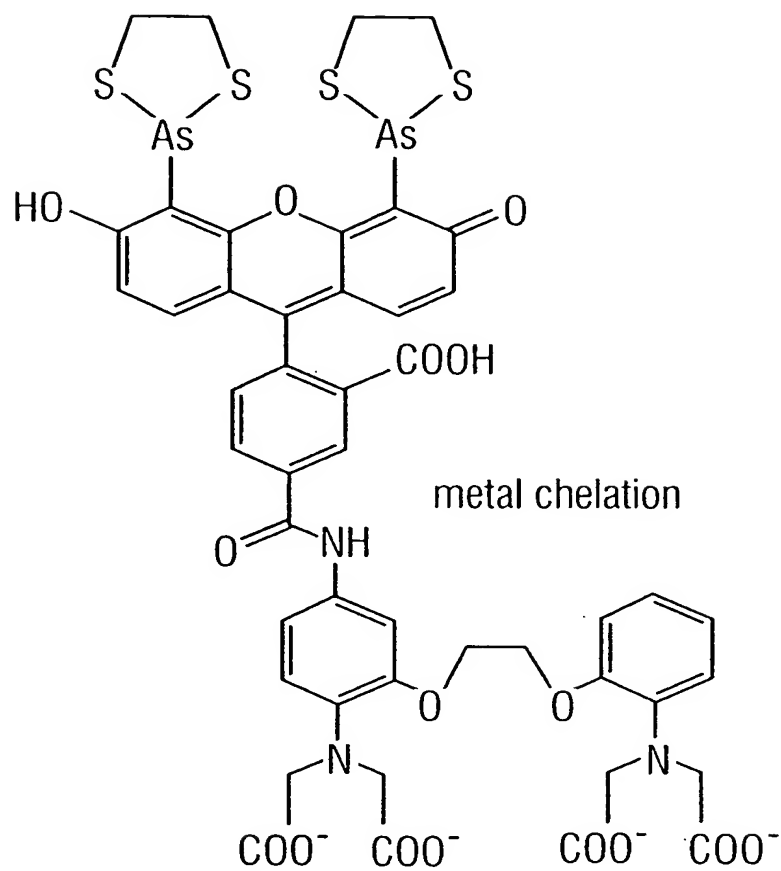
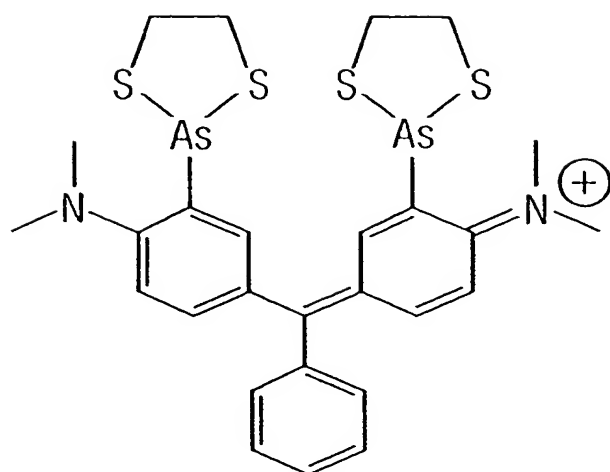
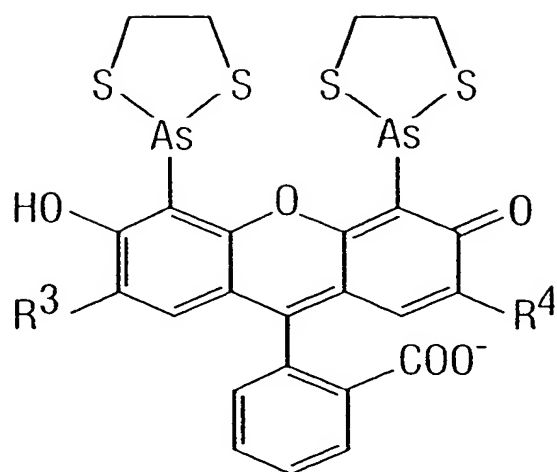


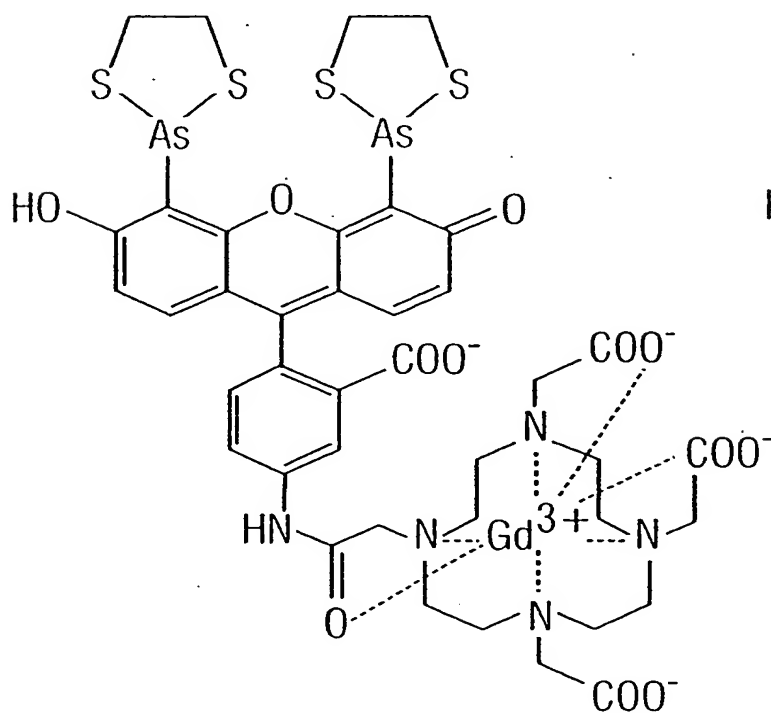
FIG. 8B



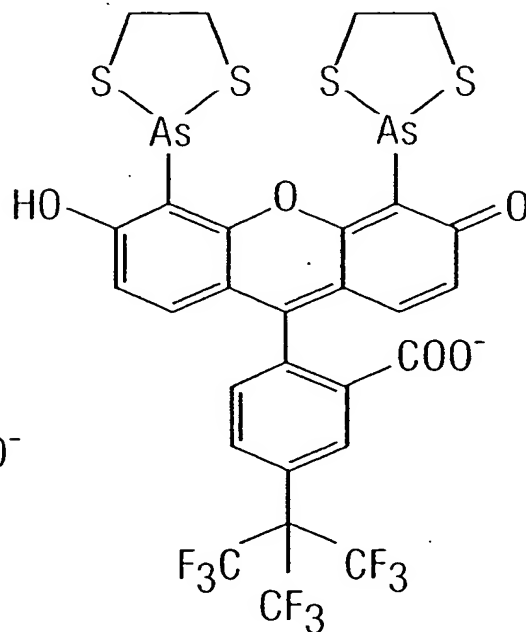
Photosensitizer of hydroxyl radical formation



$R^3 = R^4 = {}^3\text{H}$ or ${}^{125}\text{I}$: radioactivity
 $R^3 = R^4 = \text{I}$ or TlOH : heavy atoms for X-ray scattering



Paramagnetic ion increasing proton relaxivity



${}^{19}\text{F}$ NMR probe

FIG. 9

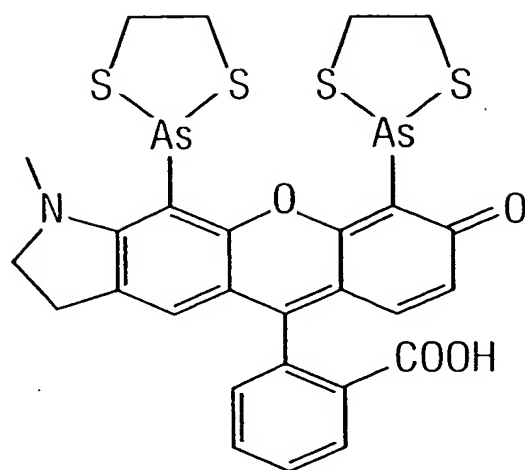


FIG. 10